

# DuoLine NM

## Disposable Monofilament Filter Bags

DuoLine filter bags have been designed to provide effective filtration for a wide range of applications using a variety of filter media. The Monofilament bags can be used for both pre and final filtration duties and are very well suited to the filtration of solutions with high solids contents such as paints, emulsions and other chemical and coating processes.

DuoLine NM bags are made from nylon Monofilament media, woven into a cloth that exhibits high flow capacity and offers selective solid separation. They are manufactured using the latest technology including inverted stitching to ensure structural integrity and provide greater security during demanding process conditions.

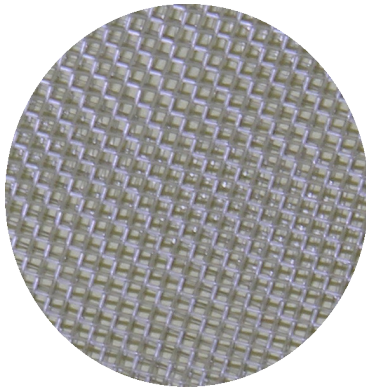
### Product Features

- Nylon Monofilament media, rated between 5 - 1000µm
- Precision filtration at all ratings

Three bag diameters are available in the DuoLine NM range, 4¼, 5½ and 7" all fitted as standard with a top ring locator in various materials and styles.

All DuoLine NM bags are designed to filter from the inside to out leaving the contamination inside the bag for simple disposal.

Amazon Filters manufacture a comprehensive range of filter housings for the DuoLine NM bags. Available in many materials and sizes to suit all flow rates, please consult our sales office for further details of the full range.



## Precision Nylon Monofilament Mesh

## Features and Benefits

- Micron ratings available from 5 to 1000µm for wide ranging filtration needs
- US FDA CFR Title 21 Food Contact compliant
- Meets the requirements for food contact as detailed in EC Regulation (EU) 10/2011
- Optional moulded polypropylene flange with handles for superior sealing and ease of handling
- Wide selection of support ring materials
- Identification supplied with every bag
- Silicone free for use in automotive paint applications

## Industries and Applications

- |                          |   |
|--------------------------|---|
| <b>Pharmaceutical</b>    | • Bulk transfer, Catalyst removal, Powder trap                                |
| <b>Cosmetics</b>         | • Creams, Lotions, Gels, Filling head trap filter                             |
| <b>Metal Finishing</b>   | • Wash solutions, Paints, Resins, Varnishes                                   |
| <b>Automotive</b>        | • Cooling fluid, Electrophoretic paints, Degreasing systems, Phosphate filter |
| <b>Food and Beverage</b> | • Product security trap filters, High solid content product filters           |

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# DuoLine NM Technical Data

## Maximum Operating Conditions

Temperature 19NM: 135°C\*1

\*1 Bags adopting the use of a polypropylene sealing flange have a maximum operating temperature of 95°C.

Recommended Maximum Differential Pressure: 4 Bar

Amazon Filters recommend that DuoLine 19 bags are changed at a differential pressure of 2.5 Bar in normal service - the operating condition above should be treated as a maximum differential pressure for short term use.

Please note that operating temperatures greater than ambient will reduce the bags' ability to withstand differential pressure and that the bag should be used with caution at elevated temperatures.

## Dimensional Data

Bag Size	Length (mm)*	Ring Diameter (mm)	Capacity (Litres)	Surface Area (m <sup>2</sup> )
1M (P3)	216	105	1.8	0.069
2M (P4)	368	105	3.0	0.118
1A	432	140	6.6	0.190
2A	788	140	12.1	0.347
3A	1118	140	17.3	0.495
1G (P1)	433	178	10.7	0.242
2G (P2)	825	178	20.5	0.461
3G	1194	178	29.7	0.668

\*Lengths are nominal

Product validation guide available on request.

## Ordering Guide

19NM	025 -	2	G	T	E	P	
Media	Micron Rating	Length	Ring Type	Option 1	Option 2	Branding	Option 3
19NM - Nylon Monofilament	005 - 5µm 010 - 10 025 - 25 050 - 50 075 - 75 100 - 100 125 - 125 150 - 150 200 - 200 250 - 250 300 - 300 400 - 400 600 - 600 800 - 800 999 - 1000	1 - Single 2 - Double 3 - Triple (A & G type only)	M - 4.25" A - 5.50" G - 7.00"	L - Zinc Plated Ring + Loops T - St.St Ring + Loops Y - Polypropylene Moulded Sealing Flange (M & G type only)	E - Standard (Silicone Free)  Other special options are available on request	P - Plain	B - Individually Bagged

Example: 19NM025-2GTEP = Nylon monofilament media, 25µm rating, Double length, 7" diameter, Stainless steel support ring with loops, Silicone free

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